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Sequence Listing could not be accepted.
If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).
Reviewer: markspencer
Timestamp: [year=2009; month=7; day=16; hr=13; min=14; sec=47; ms=224;]
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Reviewer Comments:
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W402 Undefined organism found in <213> in SEQ ID (33)
W402 Undefined organism found in <213> in SEQ ID (34)
W402 Undefined organism found in <213> in SEQ ID (35)
W402 Undefined organism found in <213> in SEQ ID (36)
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W402 Undefined organism found in <213> in SEQ ID (38)
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<210> 44
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For SEQ ID # 33 through 44, numeric identifier <213> can only be one of three choices, “Scientific name, i.e. Genus/species, Unknown or Artificial Sequence.” For all sequences using “Unknown” or “Artificial sequence”, for numeric identifier <213>, a mandatory feature is required to explain the source of the genetic material. The feature consists of <220>, which remains blank and, <223>, which states the source of the genetic material. To explain the source, if the sequence is put together from several organisms, please list those organisms. If the sequence is

made in the laboratory, please indicate that the sequence is synthesized. Please make all necessary changes.

2.

W213 Artificial or Unknown found in <213> in SEQ ID (45)
W213 Artificial or Unknown found in <213> in SEQ ID (46)
W213 Artificial or Unknown found in <213> in SEQ ID (47)
W213 Artificial or Unknown found in <213> in SEQ ID (48)
W213 Artificial or Unknown found in <213> in SEQ ID (49)
W213 Artificial or Unknown found in <213> in SEQ ID (50)
W213 Artificial or Unknown found in <213> in SEQ ID (51)
W213 Artificial or Unknown found in <213> in SEQ ID (52)
W213 Artificial or Unknown found in <213> in SEQ ID (53)
W213 Artificial or Unknown found in <213> in SEQ ID (54)
W213 Artificial or Unknown found in <213> in SEQ ID (55)
W213 Artificial or Unknown found in <213> in SEQ ID (56)
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W213 Artificial or Unknown found in <213> in SEQ ID (58)
W213 Artificial or Unknown found in <213> in SEQ ID (59)
W213 Artificial or Unknown found in <213> in SEQ ID (60)
W213 Artificial or Unknown found in <213> in SEQ ID (61)
W213 Artificial or Unknown found in <213> in SEQ ID (62)
W213 Artificial or Unknown found in <213> in SEQ ID (63)
W213 Artificial or Unknown found in <213> in SEQ ID (64) This error has occured more than 20 times, will not be displayed

The warnings shown above are ok and require no response.
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Validated By CRFValidator v 1.0.3

Application No: 10577003 Version No: 2.0

Input Set:

Output Set:

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Finished: 2009-06-23 16:31:49.350
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 379 ms
Total Warnings: 38
Total Errors: 0
No. of SeqIDs Defined: 72
Actual SeqID Count: 72

Error code		Error Description
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W	402	Undefined organism found in <213> in SEQ ID (40)
W	402	Undefined organism found in <213> in SEQ ID (41)
W	402	Undefined organism found in <213> in SEQ ID (42)
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W	213	Artificial or Unknown found in <213> in SEQ ID (45)
W	213	Artificial or Unknown found in <213> in SEQ ID (46)
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Input Set:

Output Set:

Started: 2009-06-23 16:31:45.971
Finished: 2009-06-23 16:31:49.350
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 379 ms
Total Warnings: 38
Total Errors: 0
No. of SeqIDs Defined: 72
Actual SeqID Count: 72

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (59)
W 213	Artificial or Unknown found in <213> in SEQ ID (60)
W 213	Artificial or Unknown found in <213> in SEQ ID (61)
W 213	Artificial or Unknown found in <213> in SEQ ID (62)
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W 213	Artificial or Unknown found in <213> in SEQ ID (64)
	This error has occured more than 20 times, will not be displayed

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<110> Kharbanda, Surrender
Kufe, Donald

<120> Modulation of Interaction of MUC1 with MUC1 Ligands

<130> GENU:005US

<140> 10577003
<141> 2006-12-13

<150> PCT/US2004/034680
<151> 2004-10-21

<150> 60/514,198
<151> 2003-10-24

<150> 60/519,822
<151> 2003-11-12

<160> 72

<170> PatentIn version 3.3

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<212> PRT
<213> Homo sapiens

<400> 1

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1 5 10 15

Val Leu Thr Ala Thr Thr Ala Pro Lys Pro Ala Thr Val Val Thr Gly
20 25 30

Ser Gly His Ala Ser Ser Thr Pro Gly Gly Glu Lys Glu Thr Ser Ala
35 40 45

Thr Gln Arg Ser Ser Val Pro Ser Ser Thr Glu Lys Asn Ala Phe Asn
50 55 60

Ser Ser Leu Glu Asp Pro Ser Thr Asp Tyr Tyr Gln Glu Leu Gln Arg
65 70 75 80

Asp Ile Ser Glu Met Phe Leu Gln Ile Tyr Lys Gln Gly Gly Phe Leu
85 90 95

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Gly Leu Ser Asn Ile Lys Phe Arg Pro Gly Ser Val Val Val Gln Leu
            100                 105                 110

Thr Leu Ala Phe Arg Glu Gly Thr Ile Asn Val His Asp Met Glu Thr
        115                 120                 125

Gln Phe Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg Tyr Asn Leu Thr
    130                 135                 140

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<213> Homo sapiens

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ggtggagaaa aggagacttc ggctacccag agaagttcag tgcccagctc tactgagaag    180

aatgctttta attcctctct ggaagatccc agcaccgact actaccaaga gctgcagaga    240

gacatttctg aaatgttttt gcagatttat aaacaagggg gttttctggg cctctccaat    300

attaagttca ggccaggatc tgtggtggta caattgactc tggccttccg agaaggtacc    360

atcaatgtcc acgacatgga gacacagttc aatcagtata aaacggaagc agcctctcga    420

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<213> Homo sapiens

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Val Leu Thr Val Val Thr Gly Ser Gly His Ala Ser Ser Thr Pro Gly
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            20                  25                  30

Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
        35                  40                  45

Thr Glu Lys Asn Ala Phe Asn Ser Ser Leu Glu Asp Pro Ser Thr Asp
    50                  55                  60

Tyr Tyr Gln Glu Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile
65                  70                  75                  80

Tyr Lys Gln Gly Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro
                85                  90                  95

Gly Ser Val Val Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile
            100                 105                 110

Asn Val His Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala
        115                 120                 125

Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser Asp Val
    130                 135                 140

Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala Gly
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<213> Homo sapiens

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cagagaagtt cagtgcccag ctctactgag aagaatgctt ttaattcctc tctggaagat    180

cccagcaccg actactacca agagctgcag agagacattt ctgaaatgtt tttgcagatt    240

tataaacaag ggggttttct gggcctctcc aatattaagt tcaggccagg atctgtggtg    300

gtacaattga ctctggcctt ccgagaaggt accatcaatg tccacgacat ggagacacag    360

ttcaatcagt ataaaacgga agcagcctct cgatataacc tgacgatctc agacgtcagc    420

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<212> PRT
<213> Homo sapiens

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20 25 30

Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
35 40 45

Thr Glu Lys Asn Ala Leu Ser Thr Gly Val Ser Phe Phe Phe Leu Ser
50 55 60

Phe His Ile Ser Asn Leu Gln Phe Asn Ser Ser Leu Glu Asp Pro Ser
65 70 75 80

Thr Asp Tyr Tyr Gln Glu Leu Gln Arg Asp Ile Ser Glu Met Phe Leu
85 90 95

Gln Ile Tyr Lys Gln Gly Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe
100 105 110

Arg Pro Gly Ser Val Val Val Gln Leu Thr Leu Ala Phe Arg Glu Gly
115 120 125

Thr Ile Asn Val His Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr
130 135 140

Glu Ala Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser
145 150 155 160

Asp Val Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala Gly
165 170

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<212> DNA
<213> Homo sapiens

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cagagaagtt cagtgcccag ctctactgag aagaatgctc tgtctactgg ggtctctttc 180

tttttcctgt cttttcacat ttcaaacctc cagtttaatt cctctctgga agatcccagc 240

accgactact accaagagct gcagagagac atttctgaaa tgtttttgca gatttataaa 300

caaggggttt ttctgggcct ctccaatatt aagttcaggc caggatctgt ggtggtacaa 360

ttgactctgg ccttccgaga aggtaccatc aatgtccacg acatggagac acagttcaat 420

cagtataaaa cggaagcagc ctctcgatat aacctgacga tctcagacgt cagcgtgagt 480

gatgtgccat ttcctttctc tgcccagtct ggggctggg 519

<210> 7
<211> 140
<212> PRT
<213> Homo sapiens

<400> 7

Met Thr Pro Gly Thr Gln Ser Pro Phe Phe Leu Leu Leu Leu Leu Thr
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Val Leu Thr Val Val Thr Gly Ser Gly His Ala Ser Ser Thr Pro Gly
20 25 30

Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Thr
35 40 45

Asp Tyr Tyr Gln Glu Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln
50 55 60

Ile Tyr Lys Gln Gly Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg
65 70 75 80

Pro Gly Ser Val Val Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr
85 90 95

Ile Asn Val His Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu
100 105 110

Ala Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser Asp
115 120 125

Val Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala Gly
130 135 140

<210> 8
<211> 420
<212> DNA
<213> Homo sapiens

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cagagaagtt cagtgcccag caccgactac taccaagagc tgcagagaga catttctgaa 180

atgtttttgc agatttataa acaaaggggt tttctgggcc tctccaatat taagttcagg 240

ccaggatctg tggtggtaca attgactctg gccttccgag aaggtaccat caatgtccac 300

gacatggaga cacagttcaa tcagtataaa acggaagcag cctctcgata taacctgacg 360

atctcagacg tcagcgtgag tgatgtgcca tttcctttct ctgcccagtc tggggctggg 420

<210> 9
<211> 130
<212> PRT
<213> Homo sapiens

<400> 9

Met Thr Pro Gly Thr Gln Ser Pro Phe Phe Leu Leu Leu Leu Thr
1 5 10 15

Val Leu Thr Val Val Thr Gly Ser Gly His Ala Ser Ser Thr Pro Gly
20 25 30

Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
35 40 45

Thr Glu Lys Asn Ala Ile Pro Ala Pro Thr Thr Thr Lys Ser Cys Arg
50 55 60

Glu Thr Phe Leu Lys Trp Pro Gly Ser Val Val Val Gln Leu Thr Leu
65 70 75 80

Ala Phe Arg Glu Gly Thr Ile Asn Val His Asp Val Glu Thr Gln Phe
85 90 95

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Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg Tyr Asn Leu Thr Ile Ser
            100                 105                 110

Asp Val Ser Val Ser Asp Val Pro Phe Pro Phe Ser Ala Gln Ser Gly
        115                 120                 125

Ala Gly
    130
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<212> DNA
<213> Homo sapiens

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cagagaagtt cagtgcccag ctctactgag aagaatgcta tcccagcacc gactactacc    180

aagagctgca gagagacatt tctgaaatgg ccaggatctg tggtggtaca attgactctg    240

gccttccgag aaggtaccat caatgtccac gacatggaga cacagttcaa tcagtataaa    300

acggaagcag cctctcgata taacctgacg atctcagacg tcagcgtgag tgatgtgcca    360

tttcctttct ctgcccagtc tggggctggg                                     390
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<210> 11
<211> 102
<212> PRT
<213> Homo sapiens

<400> 11

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1               5                   10                  15

Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile Tyr Lys Gln Gly Gly
            20                  25                  30

Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro Gly Ser Val Val Val
        35                  40                  45

Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile Asn Val His Asp Val
    50                  55                  60
```

```
Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg Tyr Asn
65                  70                  75                  80

Leu Thr Ile Ser Asp Val Ser Val Ser Asp Val Pro Phe Pro Phe Ser
                85                  90                  95

Ala Gln Ser Gly Ala Gly
            100
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<210> 12
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<212> DNA
<213> Homo sapiens

<400> 12

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ttcaggccag gatctgtggt ggtacaattg actctggcct tccgagaagg taccatcaat    180

gtccacgaca tggagacaca gttcaatcag tataaaacgg aagcagcctc tcgatataac    240

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gctggg                                                               306
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<210> 13
<211> 375
<212> PRT
<213> Homo sapiens

<400> 13

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Val Leu Thr Val Val Thr Gly Ser Gly His Ala Ser Ser Thr Pro Gly
            20                  25                  30

Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
        35                  40                  45

Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
    50                  55                  60

Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu
65                  70                  75                  80
```

```
Ala Pro Ala Thr Glu Pro Ala Ser Gly Ser Ala Ala Thr Trp Gly Gln
                85                  90                  95

Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala Leu Gly Ser Thr Thr
            100                 105                 110

Pro Pro Ala His Asp Val Thr Ser Ala Pro Asp Asn Lys Pro Ala Pro
        115                 120                 125

Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
    130                 135                 140

Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser
145                 150                 155                 160

Ala Pro Asp Asn Arg Pro Ala Leu Gly Ser Thr Ala Pro Pro Val His
                165                 170                 175

Asn Val Thr Ser Ala Ser Gly Ser Ala Ser Gly Ser Ala Ser Thr Leu
            180                 185                 190

Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr Pro Ala Ser Lys
        195                 200                 205

Ser Thr Pro Phe Ser Ile Pro Ser His His Ser Asp Thr Pro Thr Thr
    210                 215                 220

Leu Ala Ser His Ser Thr Lys Thr Asp Ala Ser Ser Thr His His Ser
225                 230                 235                 240

Thr Val Pro Pro Leu Thr Ser Ser Asn His Ser Thr Ser Pro Gln Leu
                245                 250                 255

Ser Thr Gly Val Ser Phe Phe Phe Leu Ser Phe His Ile Ser Asn Leu
            260                 265                 270

Gln Phe Asn Ser Ser Leu Glu Asp Pro Ser Thr Asp Tyr Tyr Gln Glu
        275                 280                 285

Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile Tyr Lys Gln Gly
    290                 295                 300
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```
Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro Gly Ser Val Val
305                 310                 315                 320

Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile Asn Val His Asp
                325                 330                 335

Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg Tyr
            340                 345                 350

Asn Leu Thr Ile Ser Asp Val Ser Val Ser Asp Val Pro Phe Pro Phe
        355                 360                 365

Ser Ala Gln Ser Gly Ala Gly
    370                 375
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<210> 14
<211> 1125
<212> DNA
<213> Homo sapiens

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cagagaagtt cagtgcccag ctctactgag aagaatgctg tgagtatgac cagcagcgta    180

ctctccagcc acagccccgg ttcaggctcc tccaccactc agggacagga tgtcactctg    240

gccccggcca cggaaccagc ttcaggttca gctgccacct ggggacagga tgtcacctcg    300

gtcccagtca ccaggccagc cctgggctcc accaccccgc cagcccacga tgtcacctca    360

gccccggaca acaagccagc cccgggctcc accgcccccc cagcccacgg tgtcacctcg    420

gccccggaca ccaggccggc cccgggctcc accgcccccc cagcccatgg tgtcacctcg    480

gccccggaca acaggcccgc cttgggctcc accgcccctc cagtccacaa tgtcacctcg    540

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gctaccacaa ccccagccag caagagcact ccattctcaa ttcccagcca ccactctgat    660

actcctacca cccttgccag ccatagcacc aagactgatg ccagtagcac tcaccatagc    720

acggtacctc ctctcacctc ctccaatcac agcacttctc cccagttgtc tactggggtc    780

tctttctttt tcctgtcttt tcacatttca aacctccagt ttaattcctc tctggaagat    840

cccagcaccg actactacca agagctgcag agagacattt ctgaaatgtt tttgcagatt    900

tataaacaag ggggttttct gggcctctcc aatattaagt tcaggccagg atctgtggtg    960
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gtgagtgatg tgccatttcc tttctctgcc cagtctgggg ctggg 1125

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<212> PRT
<213> Homo sapiens

<400> 15

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Val Leu Thr Val Val Thr Gly Ser Gly His Ala Ser Ser Thr Pro Gly
20 25 30

Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
35 40 45

Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
50 55 60

Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu
65 70 75 80

Ala Pro Ala Thr Glu Pro Ala Ser Gly Ser Ala Ala Thr Trp Gly Gln
85 90 95

Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala